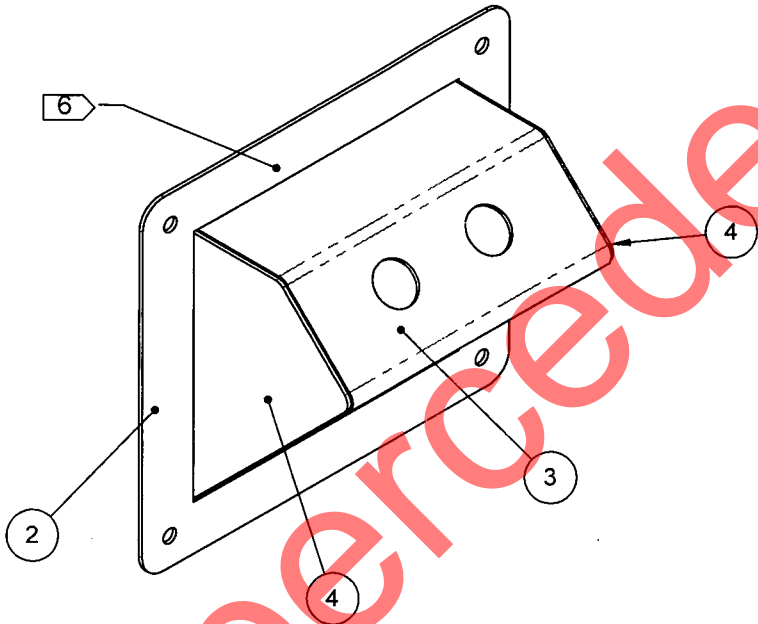


ITEM	QTY -041	PART NUMBER	DESCRIPTION
1	X	D4131-041	MANIFOLD ASSEMBLY
2	1	D4131-1	FRONT PLATE
3	1	D4131-3	BASE
4	2	D4131-5	SIDE PLATE



D4131-041 MANIFOLD ASSEMBLY

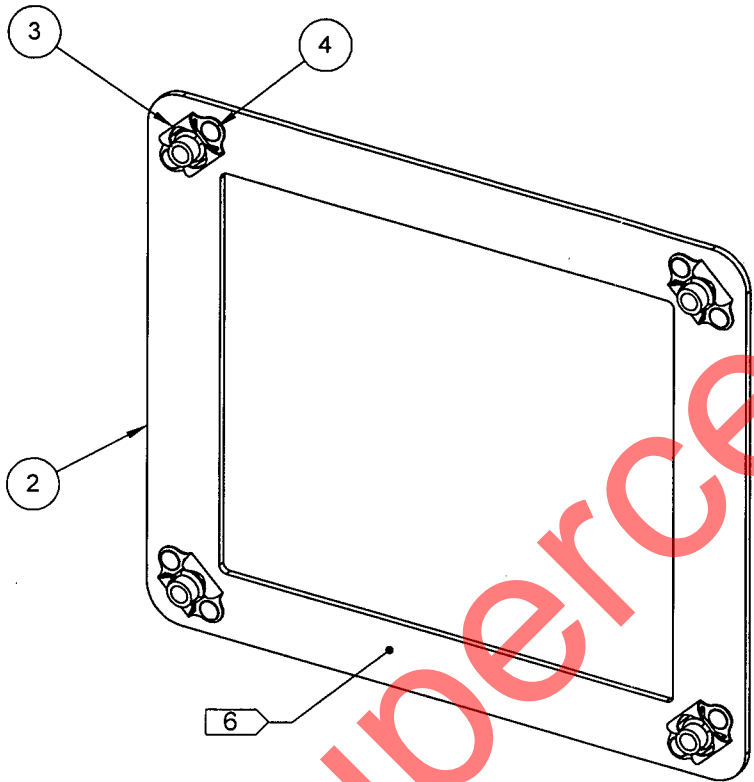
UNDER REVIEW
11/07/20
DESIGN UPDATE
MD

RELEASED
2010-09-23
MD

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER QSI 044 6.1
 - 7) WEIGHT: 0.64 lbs

A	NEW ISSUE	RF	10.09.16
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE USA, INC.	
DRAWN	RF	PORT HADLOCK, WA	
CHECKED	MD	DRAWING NO.	REV. A
MFG. APPR.	MD	D4131	SHEET 1 OF 8
APPROVED	MD	TITLE	SCALE
DE APPR.	MD	MANIFOLD ASSEMBLY	NTS
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ITEM	QTY -043	PART NUMBER	DESCRIPTION
1	X	D4131-043	DOUBLER ASSEMBLY
2	1	D4131-7	DOUBLER
3	4	MS21069L3	NUT PLATE
4	8	MS20426AD3-3	RIVET







D4131-043 DOUBLER ASSEMBLY

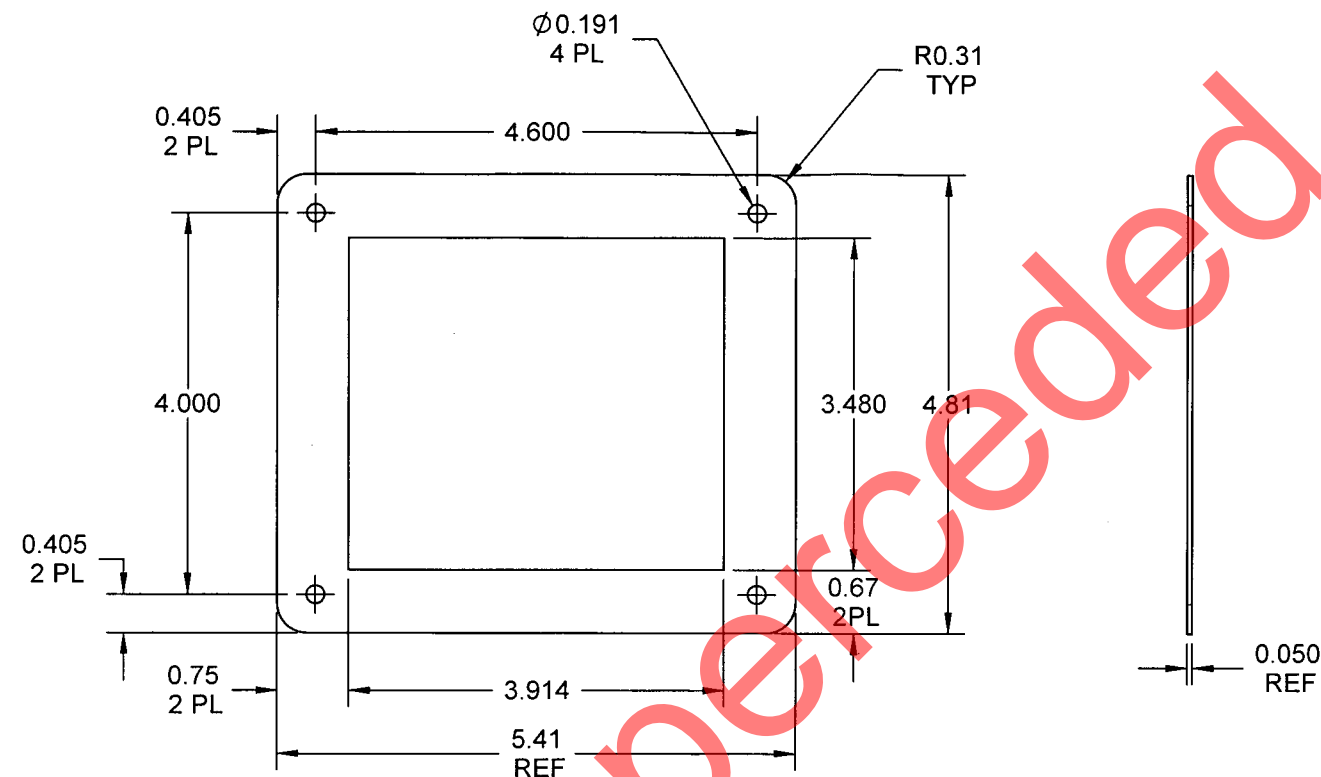
UNDER REVIEW
11/07/20

RELEASED
2010-09-23

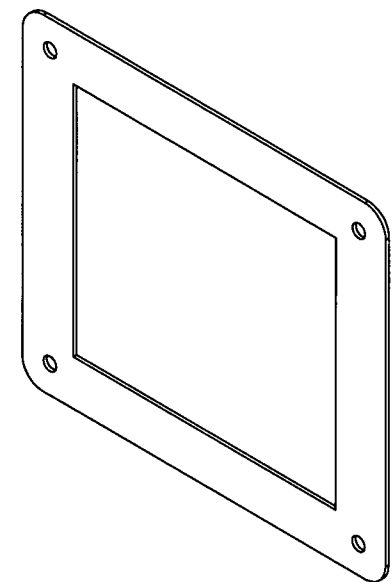
- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER QSI 044 6.1
 - 7) WEIGHT: 0.07 lbs

DESIGN	RF	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	RF		
CHECKED	MS	DRAWING NO. D4131	REV. A
MFG. APPR.	MS	SHEET 2 OF 8	
APPROVED	MS	TITLE MANIFOLD ASSEMBLY	SCALE NTS
DE APPR.	MS	COPYRIGHT © 2010 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	
DATE	10.09.16		

DESIGN	RF	DART AEROSPACE USA, INC.	
DRAWN	RF	PORT HADLOCK, WA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4131	SHEET 3 OF 8
APPROVED		TITLE	SCALE
DE APPR.		MANIFOLD ASSEMBLY	NTS
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D4131-1 FRONT PLATE



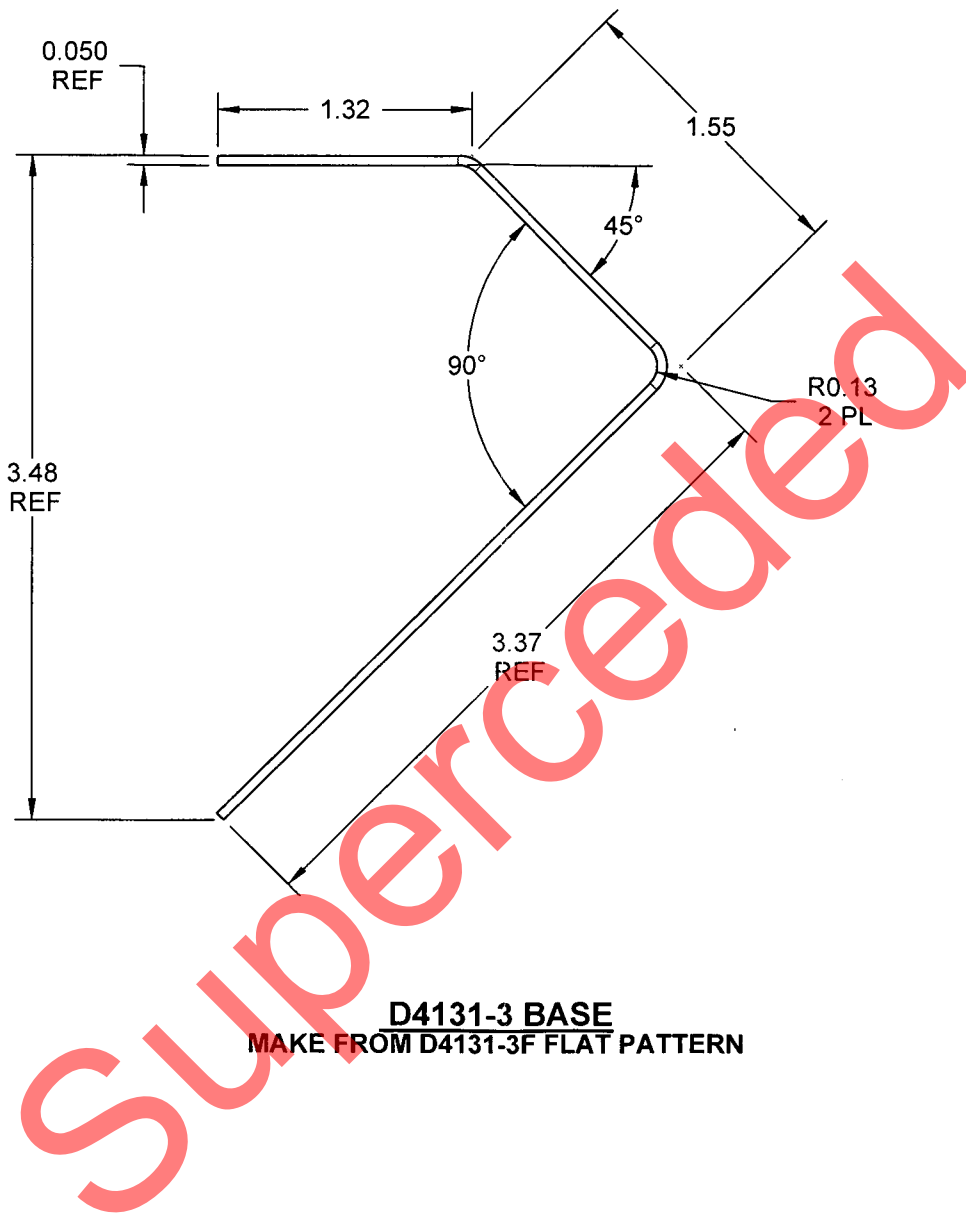
UNDER REVIEW
10/10/2010

RELEASED
2010-09-23

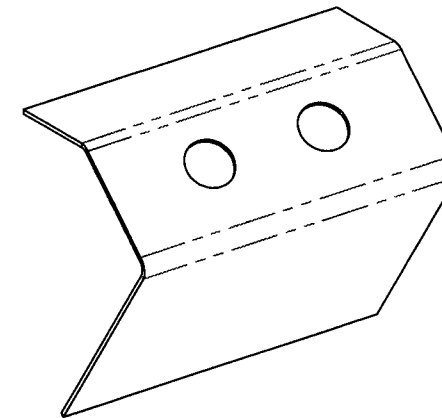
NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL ANNEALED 2B FINISH 0.050 (18 GAUGE) SHEET
PER MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
OR ASTM A240
OR ASME SA240
PER DART SPEC. M304S18GA
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.18 lbs

DESIGN	RF	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	RF		
CHECKED	RF	DRAWING NO. D4131	REV. A SHEET 4 OF 8
MFG. APPR.	RF	TITLE MANIFOLD ASSEMBLY	SCALE NTS
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DE APPR.	RF		
DATE	10.09.16		



D4131-3 BASE
MAKE FROM D4131-3F FLAT PATTERN



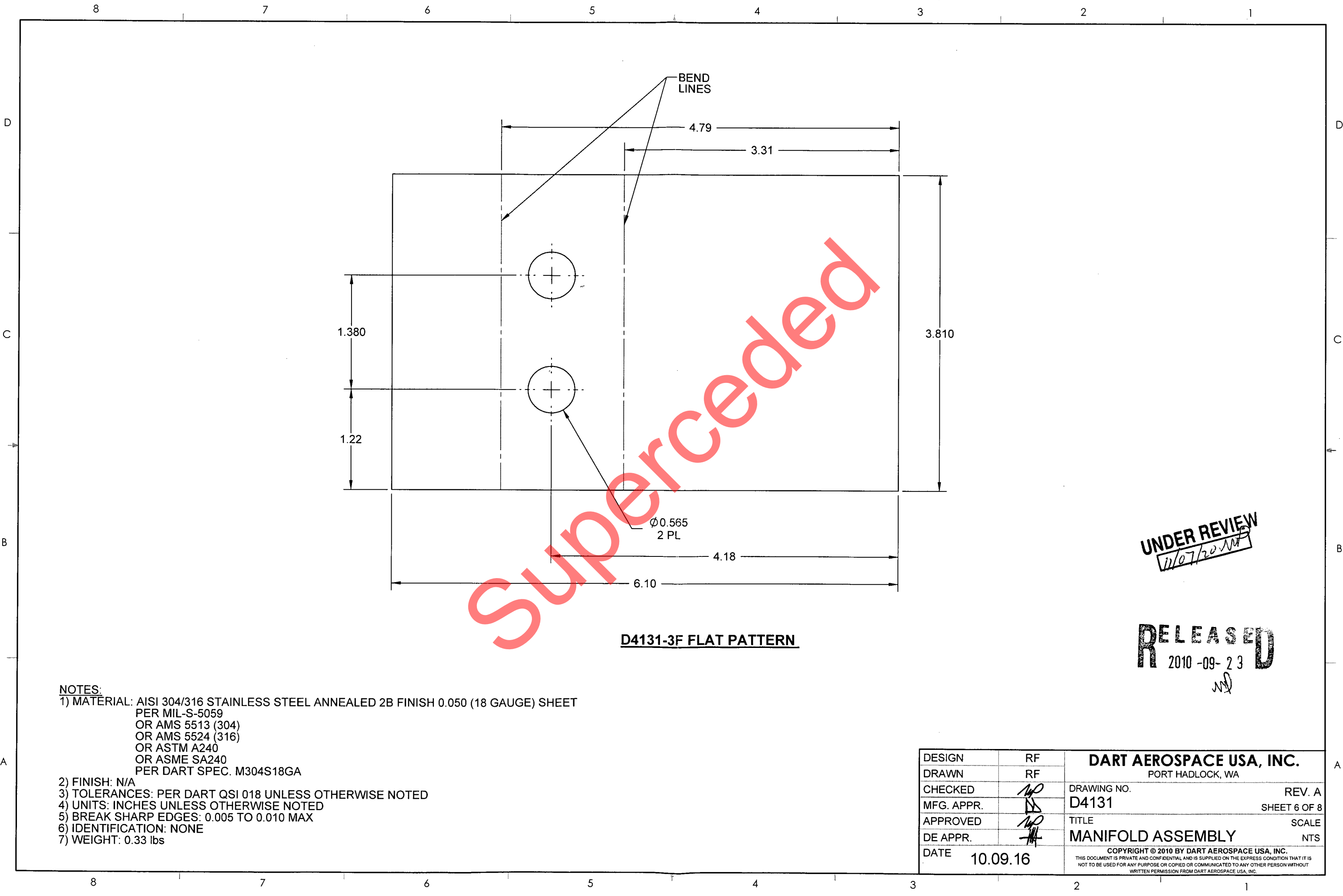
UNDER REVIEW
11/07/2010

RELEASED
2010-09-23

NOTES:

- 1) MATERIAL: MAKE FROM D4131-3F FLAT PATTERN
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.33 lbs

DESIGN	RF	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	RF		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	RF	D4131	SHEET 5 OF 8
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	MANIFOLD ASSEMBLY	NTS
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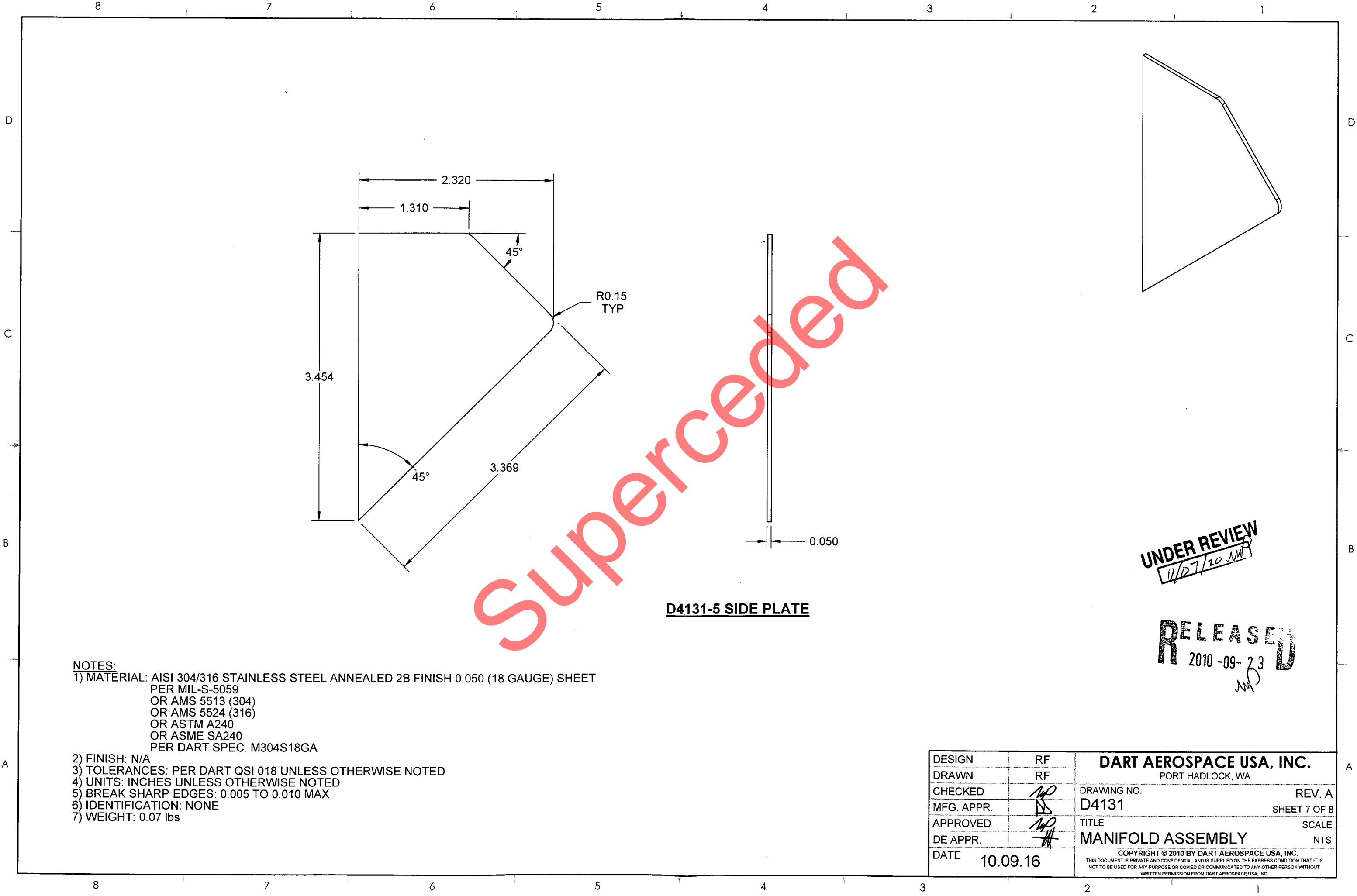
D4131-3F FLAT PATTERN

UNDER REVIEW
11/07/2011

RELEASED
2010-09-23

- NOTES:
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL ANNEALED 2B FINISH 0.050 (18 GAUGE) SHEET
PER MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
OR ASTM A240
OR ASME SA240
PER DART SPEC. M304S18GA
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: NONE
 - 7) WEIGHT: 0.33 lbs

DESIGN	RF	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	RF		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	RF	D4131	SHEET 6 OF 8
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	MANIFOLD ASSEMBLY	NTS
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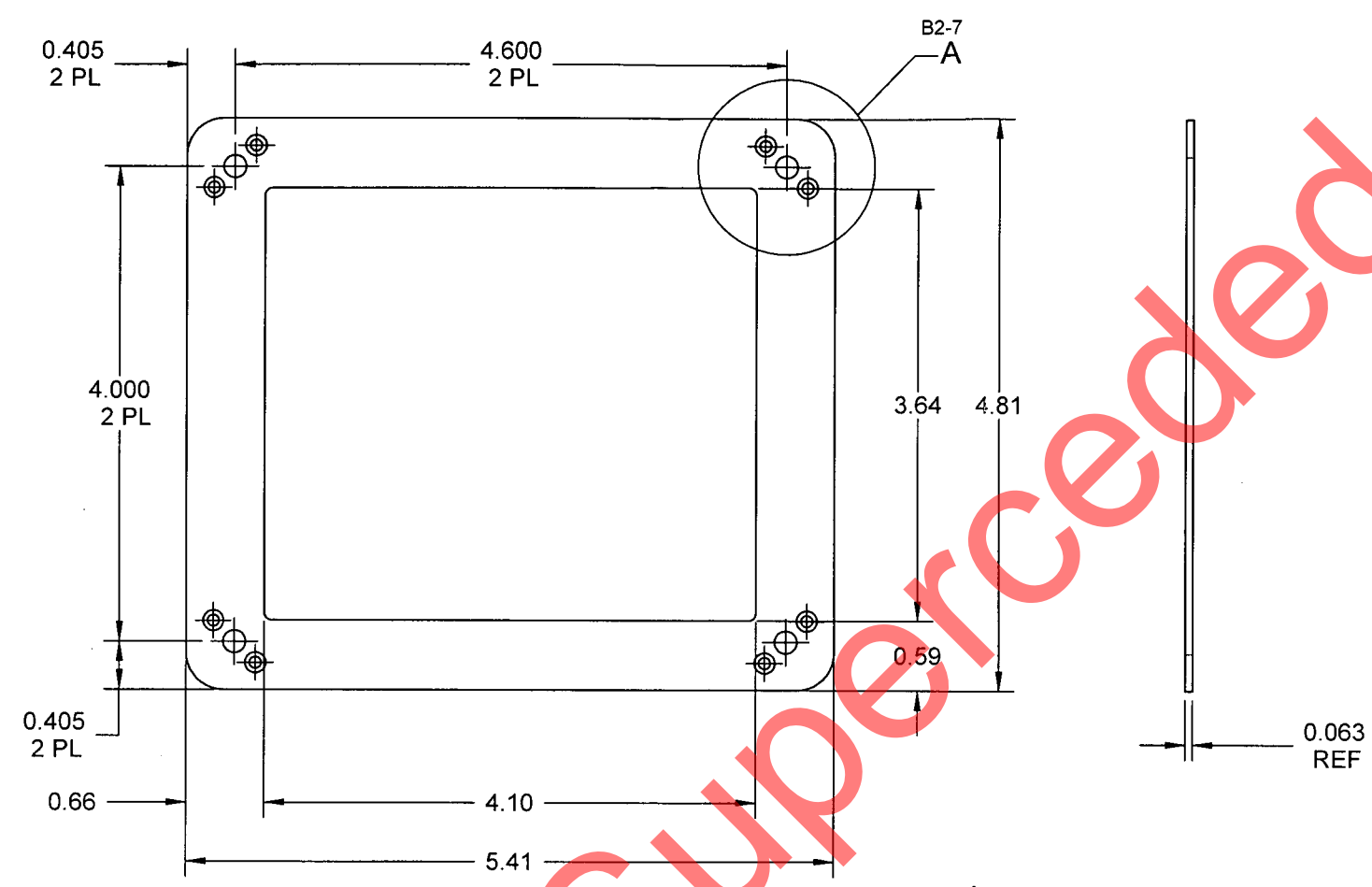
UNDER REVIEW
11/07/20 *MM*

RELEASED
2010-09-23 *MM*

- NOTES:
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL ANNEALED 2B FINISH 0.050 (18 GAUGE) SHEET
PER MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
OR ASTM A240
OR ASME SA240
PER DART SPEC. M304S18GA
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: NONE
 - 7) WEIGHT: 0.07 lbs

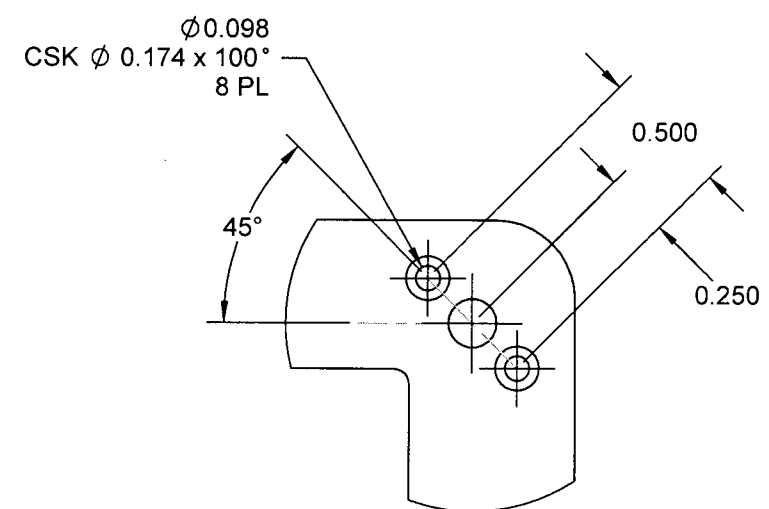
DESIGN	RF	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	RF		
CHECKED	<i>MM</i>	DRAWING NO. D4131	REV. A
MFG. APPR.	<i>MM</i>	SHEET 7 OF 8	
APPROVED	<i>MM</i>	TITLE	SCALE
DE APPR.	<i>MM</i>	MANIFOLD ASSEMBLY	NTS
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D
C
B
A



D4131-7 PLATE

- NOTES:
- 1) MATERIAL: 6061-T6/T62 ALUMINUM SHEET 0.063 THICK
PER QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS4027
OR ASTM B209
PER DART SPEC. M6061T6S0.063
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: NONE
 - 7) WEIGHT: 0.07 lbs



UNDER REVIEW
11/07/2016

DETAIL A D5-7
TYPICAL

RELEASED
2010-09-23

DESIGN	RF	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	RF		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	RF	D4131	SHEET 8 OF 8
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	MANIFOLD ASSEMBLY	NTS
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